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CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

25X1A

COUNTRY USSR

DATE DISTR 26 May 52

SUBJECT Armaments Industrial Academy

NO OF PAGES 4

25X1A PLACE  
ACQUIREDNO. OF ENCLS. 1  
(LISTED BELOW) (A) 2 pagesDATE  
ACQUIREDSUPPLEMENT TO  
REPORT NO.

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1. Students are chosen for the Armaments Industrial Academy on the basis of their educational background and records as employees in the Ministry of Armaments. Personnel records are kept by the Personnel Department /Otdel Kadrov/ of the respective plants. These records are periodically forwarded to the Main Administration of Personnel in Moscow where all employees' records are centrally located. When it is time to form a new class at the Armaments Industrial Academy, the Main Administration of Personnel furnishes the Main Administration of Training with a list of employees who have the necessary qualifications to enter the school.
2. Generally, all students have had 14 years of education with a good record as a plant employee; however, I know that the educational requirement was sometimes waived when the Ministry wanted a promising designer or engineer to attend the school. The main Administration of Training had the final voice in the selection of the students. Students were Ministry employees, ie plant directors, engineers, mechanics and designers. There were occasional seminars of short duration to bring selected personnel of the Ministry up-to-date on the latest weapons and production techniques.

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3. The three faculties of the Armaments Industrial Academy, under Professor Satel [redacted], the Assistant Dean for Education, are the Design Faculty, the Engineering Faculty and the Organization Faculty. The Design and Engineering Faculties give courses in mathematics, materials, engineering and design of weapons. The Organization Faculty gives courses in finance and personnel relations. All students who enter the Academy take the same courses regardless of their past positions in the Ministry, since the purpose of the Academy is to give a well-rounded education in general plant management so that all graduates are able to take charge and run any section of a Plant, or a Plant itself. This is equivalent to a US course in Industrial Engineering.
  4. Students are given theoretical work by these faculties and then carry out their practical work in the Academy laboratories. For laboratory work students are assigned in groups of from three to 10 persons depending on the laboratory course being taken.
  5. The Academy had the following laboratories.

## (a) Optical Equipment Laboratory

The equipment in this laboratory included binoculars, large and small microscopes, rangefinders, telescopes and metals used in connection with optical equipment. Students worked on practical optical problems in groups of three or four. This laboratory has a chief (man-in-charge) and two assistants. Source did not remember their names. I do not recall seeing any infra-red viewing devices in this laboratory.

## (b) Artillery and Small Arms Laboratory

The equipment in this laboratory included carbines, pistols, rifles, light and heavy machine guns, 25 mm and 37 mm aircraft guns.

[redacted] The gun was designed to fire 160-180 rounds a minute but actually was firing only 60-80 rounds a minute in tests. I know no other details of the gun except that it operated only in full automatic fire. The laboratory did not have a chief in 1949 but three or four workers were employed there. Source did not know their names.

## (c) Modern Weapons Laboratory

The equipment in this laboratory included models and samples of rockets and guided missiles. I was able to identify models of V-1, V-2, and Schmetterling guided missiles. There were also samples of the M-8, M-20 and M-30 rockets (Katyusha type) in this laboratory. The V-1 model was about 1.5 meters in length. The Schmetterling model was about 80 cm in length. The V-2 model was about five meters long in an upright position and cut away to show the interior. It was made of metal (aluminum or dural) and I believe it was made in the Academy of Artillery Science. There were also examples of the motor and the gyro-stabilizer and a model of the erecting gear (for V-2's) (FR-Anhänger) in the laboratory. All of the above models and samples of guided missiles and components were labeled as German developments.

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In addition to the above materiel, I saw models of what I believe to be other missiles which I assumed to be Soviet developments.

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There were no permanently assigned personnel in the Modern Weapons Laboratory. Missile specialists came from the outside to instruct the students in this laboratory. An unidentified colonel from the Ministry of Armaments inspected this laboratory at various times. His visits were sometimes prearranged and at other times he would simply drop in unannounced.

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(d) Electronics Laboratory

This laboratory was equipped with test benches, generators of different sizes, electrical systems for synchro-units for artillery fire control and various types of electrical instruments. A chief, two engineers and two assistants were assigned to the laboratory.

(e) Mechanics Laboratory

I do not remember any of the equipment but know that a chief and two assistants were assigned to the laboratory.

(f) Chemistry Laboratory

This laboratory was equipped with general chemistry equipment, ie test tubes, bottles, retorts and chemical supplies. A chief and one assistant were assigned to this laboratory.

6. I remember the following personnel at the Armaments Industrial Academy and at Plant No. 304:

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7. The permanent faculty of the Academy was very small. Most of the lectures were given by specialists who were called in from outside of the Academy to give the students specific instruction in certain fields. I don't know the names of any of the special instructors or the institutes from which they came.
8. The Secret Document Section (Spets Otdel) under Ananyev was the custodian of all classified documents and charged with the encoding and decoding of all official correspondence. Four people were attached to this Section in addition to Ananyev. Personnel of the Section were not MGB personnel.
9. Ten people were assigned to Barinov's office, excluding those in the Secret Document Section. I can remember no other personnel at the Academy.
10. A group from the Academy of Artillery Science came to Kuntsevo to assist the Armaments Industrial Academy in arranging the Artillery and Small Arms Laboratory so that the display there would be most beneficial to students. I do not know if the Academy of Artillery Science gave assistance to the Modern Weapons Laboratory of the Armaments Industrial Academy.

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Enclosure (A): Layout of Armaments Industrial Academy

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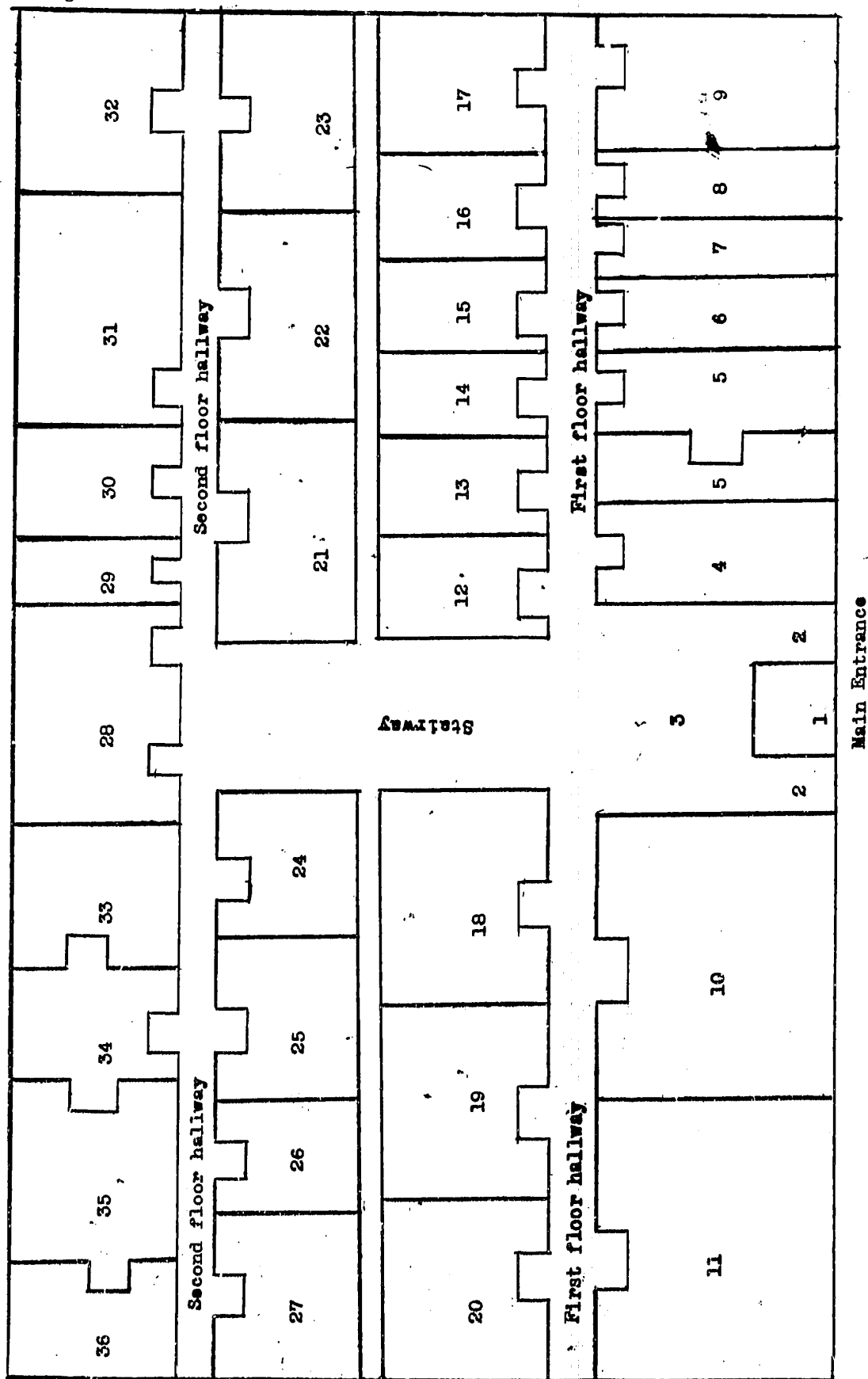
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Layout of the Armaments Industrial Academy

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Enclosure (A)

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Layout of Armament Industrial Academy

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1. Main Entrance
2. Check Room
3. Hall
4. Bookkeeping Section
5. Office of the Assistant Dean for Administration
6. Administration Section
7. Lecture Hall
8. Snack Bar
9. Library
10. Electronics Laboratory
11. Mechanics Laboratory
12. Secret Document Section
13. Reproducing Section
14. Building's Commandant Office
15. Office of Faculties' Secretaries
16. Lecture Hall
17. Library
18. Lecture Hall
19. Lecture Hall
20. Chemistry Laboratory
21. Lecture Hall
22. Lecture Hall
23. Lecture Hall
24. Professors' Office
25. Lecture Hall
26. Draftsmen's Room
27. Television Laboratory
28. Movie Hall
29. Room belonging to Secret Document Section
30. Artillery and Small Arms Laboratory
31. Modern Weapons Laboratory
32. Optical Equipment Laboratory
33. Office of Assistant Dean for Education (Prof Satel')
34. Dean Secretary Room
35. Dean's Office (Barinov)
36. Dean's Drawing Room

Note: The above information dates back to 1949 when the Academy Building had two stories. Since 1949 the buildings third floor has been added.

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